

### Amendments to the Claims

Please amend the claims in the manner indicated.

1-6. (cancelled)

7. (currently amended) An apparatus, comprising

a first electronic device adapted to:

receive a data transmission from each of multiple second electronic devices, each of the data transmissions including a predicted duration of a length of a subsequent transmission from the respective second electronic device;

organize at least some of multiple second electronic devices into a group having similar predicted durations for the subsequent data transmissions; and

transmit polls substantially simultaneously to the second electronic devices within the group[[:]]

~~wherein the first electronic device is further adapted to determine the predicted durations based on durations of previously received transmissions from the second electronic devices.~~

8. (original) The apparatus of claim 7, wherein the first electronic device is further adapted to receive the data transmissions from the second electronic devices within the group substantially simultaneously.

9. (original) The apparatus of claim 7, wherein the first electronic device is further adapted to transmit acknowledgements to the wireless devices within the group substantially simultaneously.

10. (original) The apparatus of claim 7, wherein the first electronic device is further adapted to transmit polls to other second electronic devices within another group substantially simultaneously.

11-12. (cancelled)

13. (original) The apparatus of claim 7, wherein the apparatus comprises:  
a computing platform; and  
at least four antennas coupled to the computing platform.

14. (original) The apparatus of claim 13, wherein the apparatus further comprises at least four modulator/demodulators coupled between the computing platform and the at least four antennas.

15. (previously presented) A method, comprising:  
receiving indicators from multiple electronic devices indicating predicted durations of subsequent transmissions from the electronic devices;

organizing, subsequent to said receiving, the multiple electronic devices into a first group having the indicators for the predicted durations of the subsequent transmissions within a particular range of a first value and into a second group having the indicators for the predicted durations of the subsequent transmissions within a particular range of a second value;

transmitting data polls to the electronic devices in the first group substantially simultaneously; and

transmitting data polls to the electronic devices in the second group substantially simultaneously, subsequent to said transmitting to the electronic devices in the first group.

16. (cancelled)

17. (original) The method of claim 15, further comprising determining the indicators for the predicted durations based on durations of previously received transmissions from the electronic devices, prior to said organizing.

18-20. (cancelled)

21. (previously presented) A machine-readable medium that provides instructions, which when executed by a processing platform, cause said processing platform to perform operations comprising:

receiving indicators for predicted durations of subsequent transmissions from multiple electronic devices;

organizing the multiple electronic devices into a first group having the indicators for the predicted durations of the subsequent transmissions within a particular range of a first value and into a second group having the indicators for the predicted durations of the subsequent transmissions within a particular range of a second value;

transmitting data polls to the electronic devices in the first group substantially simultaneously; and

transmitting data polls to the electronic devices in the second group substantially simultaneously, subsequent to said transmitting to the electronic devices in the first group.

22. (cancelled)

23. (original) The medium of claim 21, wherein the operations further comprise determining the indicators for the predicted durations based on durations of previously received transmissions from the electronic devices, prior to said organizing.

24-26. (cancelled)